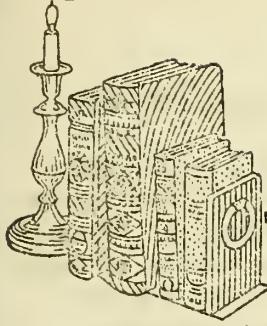


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NEW BOOKS

AUTHORITY IN TVA LAND by W.V. Howard. Kansas City, Mo., Glenn, 1948. 186 p. 280.002 H83.

This book is an attempt to appraise TVA as it is today. Its purpose is to show the public how a Regional or Valley Authority actually operates. If you have not read Lilenthal's TVA- Democracy On The March (280.002 L62T Ed.3), we suggest you do so before reading this book, that is, if you want the pros and cons.

COMMODITY EXCHANGES AND FUTURES TRADING; PRINCIPLES AND OPERATING METHODS, by J.B. Baer. New York, Harper, 1949. 324 p. 284 B14C.

This is not a trade manual or hand-book of technical terms; nor is it an extensive analytical or theoretical treatise on the economic functions of the Commodity Exchange. Rather its primary purpose is to supply a simple, clear analysis of economic functions, and the regulation of these Exchanges, the methods of operation, and the trading practices. --- Preface.

DYNAMICS OF VEGETATION by F.E. Clements. New York, Wilson, 1949. 296 p. 463.8 C59D.

"Here is a compilation of selected writings on Dynamic Ecology by the late Frederic E. Clements, and a real tribute to his creative genius in the field of plant ecology. Some of his most important essays, which are for the most part out-of-print at the present time, are again made available to agronomists, range men, foresters, conservationists, teachers and students of agronomy." Agronomy Journal. V.41, no.9, September 1949.

FIELD MANUAL OF PLANT ECOLOGY by F.C. Gates. 1st. ed. New York, McGraw-Hill, 1949. 137 p. 463.8 G22.

"The purpose of this manual is to give directions for the undertaking of beginning ecological work with the use of a minimum of apparatus, particularly elaborate apparatus. Although the basic exercises are simple and serve to introduce the subject, they can be extended to more detailed work. Valuable training is given, both in stating and in attempting to solve ecological problems. Nearly all the exercises given in this manual have at one time or another been put into active use. Any study of factors, either with regard to individual plants or to any of the groupings in vegetation, will require the use of instruments." -- Introduction.

FIFTEEN WAYS TO MAKE MONEY IN THE COUNTRY by H.S. Pearson. New York, Grosset & Dunlap, 1949. 210 p. 31.3 P312F.

Don't rush out and buy a farm. Read the book first and then plan your home in the country. The author has described fifteen ways to make a living in the country; six of them are methods of farming; nine of them are types of business. As an aid to further study and planning the author has listed a number of USDA Farmers' Bulletins (1 Ag84F) in appendix B-pp 209-10. Any of these can be circulated to you from the Atlanta Branch Library as a loan upon request.

THE GRASSES OF NORTH CAROLINA by H.L. Blomquist. Durham, N.C., Duke Univ. Press, 1948. 276 p. 452. 3 B62.

This manual is based upon the study of grasses of North Carolina extending over a period of about twelve years. The advantages of a manual based on the study of the plants within a limited area are, first of all, the recording of the accumulated data and, second, the simplification of a means for their identification. Although the objectives of this manual are primarily taxonomic, the economic side has been considered. --Preface.

HUMAN BEHAVIOR AND THE PRINCIPLE OF LEAST EFFORT by G.K. Zipf. Cambridge, Mass. Addison-Wesley, 1949. 573 p. 280 Z64H.

Everyone in the course of his daily living must to some extent move about in his environment. And in so moving he may be said to take paths. Yet these paths that he takes in his environment do not constitute his entire activity. The author stresses this concept of movement over paths because he demonstrates through the chapters of his book that every individual's movement, of whatever sort, will always be over paths and will always tend to be governed by one single primary principle which, for the want of a better term, is called "Principle of Least Effort". Moreover, the author demonstrates that the structure and organization of an individual's entire being will tend always to be such that his entire behavior will be governed by this principle. --Introduction.

HYDROLOGY by C.O. Wisler and E.F. Brater. New York, Wiley, 1949. 419 p. 292 W752.

Hydrology -- a discussion of precipitation, floods, the hydrograph, infiltration capacity, and other recent developments in hydrology. The many applications cited throughout the book make it useful to the general practicing engineer, forester and agriculturist, as well as to the student who is looking for the basic principles of hydrology.

AN INTRODUCTION TO PALEOBOTANY BY C.A. Arnold. 1st ed. New York, McGraw-Hill, 1947. 433 p. 402.1 Ar81.

The authors approach to the subject is essentially botanical. The two works of reference principally used are Seward's Fossil Plants and Scott's Studies in Fossil Plants. Since their publication, many new and important discoveries have been made that have added to the knowledge of fossil plants and has also altered the interpretations of some of them. This book, therefore, will not serve as a substitute for the larger and more comprehensive works on paleobotany, but its value is the presentation of new developments and new points of view. --Preface.

TWO HUNDRED YEARS OF AGRICULTURAL EDUCATION IN GEORGIA, BY J.T. Wheeler.

Danville, Ill., Interstate, 1948. 397 p. 275.1 W56T

The factual data on which this book is based were first compiled in 1940 as a part of a research project fostered by the United States Office of Education. Besides the factual running story of agricultural education in Georgia, the author has added to each chapter some evaluations and comments. These additions are not history in the true sense; they are simply interpretations of the facts of history as seen by one who has devoted more than forty years to the development of this field of education in the state and nation. --Preface.

THE WAY TO WRITE by R.F. Flesch. Rev. ed. New York, Harper, 1949. 342 p.

200.4 F63W.

THE WAY TO WRITE is meant for those who want to do something about improving their writing, but have found other books either too academic or too specialized. Here is what this book will do for you: It deals with the thinking and planning that go into the daily writing chores of adult life. It gives you an understanding of the tools of writing - sentences, paragraphs, words. It gives a thorough working knowledge of the basic rules of grammar - usage, spelling, punctuation. Of course you will not learn to write by merely reading this book - you will still have to work at the job, but it will help you to learn to write clearly and correctly.

PAMPHLET MATERIAL

CROPS

CONSERVATION METHODS IN COTTON PRODUCTION. USDA Misc. Pub. 694. Washington, 1949. 32 p. 1 Ag84M.

GROWING ALFALFA. USDA Farmers' B. 1772 rev. Washington, 1949. 33 p. 1 Ag84F.

LOUISIANA COTTON STATISTICS WITH COMPARISONS. La. Exp. Sta. B. 439. 56 p. 100 L93.

MOLE TYPES IN COTTON AND THEIR OCCURRENCE AS RELATED TO VARIETY, ENVIRONMENT, POSITION IN LOCK, LOCK SIZE, AND LOCKS PER BOLL. USDA Tech. B. 1000. Washington, 1949. 37 p. 1 Ag84Te.

RESULTS OF DATE-OF-PLANTING SUGARCANE TESTS IN MISSISSIPPI 1939-1946. Miss. Agr. Exp. Sta. Circ. 148. State College, April 1949. 6 p. 100 M69.

SOYBEAN CULTURE AND VARIETIES. USDA Farmers' B. 1520. Washington. August, 1949. 38 p. 1 Ag84F.

TOBACCO CULTURE. USDA Farmers' B. 571. Washington. November 1949. 29 p. 1 Ag84F.

DAIRYING AND DAIRY PRODUCTS.

DAIRY FARM MANAGEMENT IN CALIFORNIA. Calif. Ext. Ser. Circ 156. Berkeley, September 1949. 42 p. 275.29 C12C.

THE EFFECTS OF PASTEURIZATION ON SOME CONSTITUENTS AND PROPERTIES OF GOAT'S MILK. USDA Tech. B. 800. Washington, 1949. 16 p. 1 Ag84Te.

EXPERIMENTS IN REARING CALVES WITHOUT WHOLE MILK AND LIMITED AMOUNTS OF SKIM MILK. USDA Circ. 822. Washington, September 1949. 31 p. 1 Ag84C.

HINTS TO THE DAIRYMAN. La. Ext. Pub. 1003. Baton Rouge, 1949. 275.29 L93.

HOW TO USE WHOLE AND NONFAT DRY MILK. USDA AIS 86. Washington, 1949. 30 p.

1 Ag84Ais.

KNOW YOUR BUTTER GRADES. USDA Leaflet 264. Washington, 1949. 1 Ag84L. (folder)

MILK-PRODUCTION VALUE OF A CONCENTRATE MIXTURE COMPOSED ENTIRELY OF SOUTHERN AGRICULTURAL BYPRODUCTS. USDA Circ. 811. Washington, 1949. 10 p. 1 Ag84C.

THE RELATIONSHIP OF MACHINE MILKING TO THE INCIDENCE AND SEVERITY OF MASTITIS. USDA Tech. B. 992. Washington, August, 1949. 51 p. 1 Ag84Te.

SOME STUDIES OF CIRCULATORY SYSTEM OF THE COW'S UDDER. USDA Tech. B. 982. Washington, June 1949. 36 p. 1 Ag84Te.

WEIGHT AND CAPACITY OF THE DAIRY COW UDDER IN RELATION TO PRODUCING ABILITY, AGE, AND STAGE OF LACTATION. USDA Tech. B. 989. Washington, September, 1949. 25 p. plates 1-9. 1 Ag84Te.

WEIGHTS AND CAPACITIES OF UDDERS FROM DAIRY HEIFERS OF DIFFERENT AGES. USDA Tech. B. 993. 8 p. Washington, November 1949. 1 Ag84Te.

WEIGHT AND GAIN ON RANGE CALVES AS AFFECTED BY RATE STOCKING. Mont. Agr. Exp. Sta. B. 463. Bozeman, 1949. 26 p. 100 G29S.

FERTILIZERS

FERTILIZER EXPERIMENTS WITH CITRUS ON DAVIE MUCKY FINE SAND. Fla. Exp. Sta. B. 461. Gainesville, 1949. 100 F66S.

FERTILIZER STUDIES WITH VEGETABLE CROPS ON REPRESENTATIVE SOILS IN ALABAMA. Ala. Exp. Sta. B. 269. Auburn, 1949. 49 p. 100 AL12.

MIXING FERTILIZERS ON THE FARM. USDA Farmers' B. 2007. 13 p. Washington, 1949. 1 Ag84F.

SAMPLING AND TESTING SOILS FOR LIME AND FERTILIZER NEEDS. Ky. Ext. Circ. 475. 4 p. 275.29 K415.

FORAGE CROPS

SAMPLING FORAGE CROPS TREATED WITH ORGANIC INSECTICIDES FOR DETERMINATION OF RESIDUES. USDA BE&PQ E-793. January 1950. 12 p. 1:9 En83.

WILL MORE FORAGE PAY? Economic aspects of using more pastures and forage on farms, a progress report. USDA Misc. Pub. 702, Washington, 1949. 90 p. 1 Ag84M.

GRASS SEED

GRASS-SEED PRODUCTION. Calif. Agr. Ext. Ser. Circ. 155. Berkeley, September 1949. 22 p. 275.29 C120.

SEED PRODUCTION OF KENTUCKY BLUEGRASS AS INFLUENCED BY INSECTS, FERTILIZERS AND SOD MANAGEMENT. Ky. Exp. Sta. B. 535. 100 K41.

INSECTS AND INSECTICIDES

ALFALFA WEEVIL DISTRIBUTION AND CROP DAMAGE IN THE UNITED STATES. USDA Circ. 815. Washington, October 1949. 21 p. 1 Ag84C.

BIOLOGY OF RAISIN MOTH. USDA Tech. B. Washington, September 1949. 23 p. 1 Ag84Te.

CONTROL OF FIREWORMS IN CALIFORNIA WITH THE SOIL FUMIGANTS CHLORINATED PROPANE-PROPYLENE AND ETHYLENE DIBROMIDE. USDA BE&PQ E-786. Washington, 1949. 21 p. 1:9 En83.

FIELD-PILOT COMPARISONS OF DDT AND OTHER NEW MATERIALS FOR CONTROL OF CATER-PILLARS ON CABBAGE. USDA BE&PQ E-787. Washington, October 1949. 17 p. 1:9 En83.

GRASSHOPPER EGG-POD DISTRIBUTION IN THE NORTHERN GREAT PLAINS AND ITS RELATION TO EGG-SURVEY METHODS. USDA Circ. 816. 16 p. Washington, 1949. 1 Ag84C.

INFORMATION ABOUT BEE CULTURE. USDA. BE&PQ E-267, rev. Washington, November 1949. 10 p. 1.9 En83.

PEPPER WEEVIL CONTROL. Ga. Agr. Exp. Sta., Press B. 617. Experiment, 1949. 2 p. 100 G29P.

PRELIMINARY TESTS OF CHLORINATED BENZAMIDES AS INSECTICIDES. USDA BE&PQ E-789. Washington, November 1949. 21 p. 1.9 En83.

PRELIMINARY TESTS OF SYNTHETIC ORGANIC COMPOUNDS AS INSECTICIDES. USDA BE&PQ E-790. 18 p. 1.9 En83.

LAND USE

LAND USE EXPERIENCE IN SOUTHERN GREAT PLAINS. USDA Circ. 820. Washington, October 1949. 19 p. 1 Ag84C.

USE THE LAND AND SAVE THE SOIL. SCS PA-71. Washington, 1949. 16 p.

USING TALL FESCUE IN SOIL CONSERVATION. USDA Leaflet # 254. 8 p. Washington, 1949. 1 Ag84L.

PONDS AND SPILLWAYS

GRASS WATERWAYS. USDA Leaflet 257. Washington, 1949. 8 p. 1 Ag84L.

HOW TO BUILD A FARM POND. USDA Leaflet 259. Washington, 1949. 8 p. 1 Ag84L.

THE HYDRAULIC DESIGN OF RECTANGULAR SPILLWAYS. USDA SCS TP-71, rev. Washington, November 1948. 67 p. 1.96 Ad6Tp.

RURAL HOUSING

A PRELIMINARY BIBLIOGRAPHY OF RURAL HOUSING AND FARM SERVICE BUILDINGS. USDA Library. Library List 51. Washington, December 1949. 159 p. 1.916 L612.

YOUR FARMHOUSE HEATING. USDA Misc. Pub. 689. Washington 1949. 24 p. 1 Ag84M.

WEED KILLERS

GENERAL -CONTACT WEED KILLERS. Calif. Agr. Ext. Ser. Circ. 137, rev. Berkeley, October 1949. 15 p. 275.29 C12C.

SELECTIVE WEED KILLERS. Calif. Ext. Ser. Circ. 157. Berkeley, September 1949. 16 p. 275.29 C12C.

MISCELLANEOUS

CONTOUR PLANTING OF UNIRRIGATED PERENNIALS. Calif. Ext. Ser. Circ. 152. Berkeley 1949. 16 p. 275.29 C12C.

CONVERTING FACTORS AND TABLES OF EQUIVALENTS USED IN FORESTRY. USDA Misc. Pub. 225, rev. Washington 1949. 1 Ag84M.

CURING PORK, COUNTRY STYLE. Ga. Exp. Sta., Press B. 616. Experiment 1949. 4 p. 100 G29P.

DOORYARD CITRUS PLANTINGS IN FLORIDA. Fla. Ext. Ser. B. 140. Gainesville, August 1949. 22 p. 275.29 F66C.

DUST STORMS COME FROM THE POORER LANDS. USDA Leaflet 260, Washington, 1949. 8 p. 1 Ag84L.

FEED REQUIRED TO PRODUCT 6-POUND RABBITS AFTER WEAVING AND CONDITIONS AFFECTING THEIR CARCASS GRADES AND CUTS. USDA Circ. 819. Washington, 1949. 1 Ag84C.

A GRAPHIC SUMMARY OF WORLD AGRICULTURE. USDA Misc. Pub. 705. Washington, October 1949. 51 p. 1 Ag84M.

HOME FREEZERS; THEIR SELECTION AND USE. USDA Misc. Pub. 687. Washington, August 1949. 16 p. 1 Ag84M.

LARVAE OF MELOLONTINAE: WITH KEYS TO TRIBES, GENERA AND SPECIES (Coleoptera: Scarabaeidae). Ky. Exp. Sta. B. 537. 35 p. Lexington, 1949. 100 K41.
THE NATURE OF AN EFFICIENT AGRICULTURE IN THE NORTHEAST PRAIRIE AREA OF MISSISSIPPI. Miss. Agr. Exp. Sta. B. 459. State College, 1949. 31 p. 100 M69.

NORMALCY TESTS OF PRECIPITATION AND FREQUENCY STUDIES OF RUNOFF OF SMALL WATER-SHETS. USDA Tech. B. 985. Washington, 1949. 1 Ag84Te.

PRE-PEELED POTATOES FOR COMMERCIAL USE. USDA BAIC. AIC-246. 14 p. August 1949. 1.932 A2Ag82.

PRESERVATION OF AGRICULTURAL SPECIMENS IN PLASTICS. USDA Misc. Pub. 679. Washington, July 1949. 78 p. 1 Ag84M.

TEACHER EDUCATION IN AGRICULTURE: A PROGRAM FOR DIRECTED PARTICIPATING EXPERIENCE AS A PART OF THE PREPARATION OF TEACHERS OF VOCATIONAL AGRICULTURE. Penn. Exp. Sta., Progress Report 15. 28 p. State College, 1949. 100 N81P.

TRIALS OF GRAPE VARIETIES IN MISSISSIPPI. Miss. Agr. Exp. Sta. Circ. 144. State College, 1948. 11 p. 100 M69.

TUNG CULTURE IN MISSISSIPPI. Miss. Agr. Exp. Sta., B. 464. State College, 1949. 35 p. 100 M69.

UNIFORM SMALL GRAIN VARIETY TESTS IN GEORGIA, 1948-1949. Ga. Exp. Sta. Circ. 163. Experiment 1949. 20 p. 100 G29S.

THE YIELD OF DOUGLAS FIR IN THE PACIFIC NORTHWEST. USDA Tech. B. 201. rev. Washington, 1949. 74 p. 1 Ag84Te.

NEWS NOTES

THE U.S. FOREST SERVICE is responsible for the management, protection and development of 152 National Forests in the United States, Alaska and Puerto Rico. The Nation's forest lands comprise over 640,000,000 acres, or approximately a third of the total land area of the United States. The U.S. Forest Service cooperates with the States and private timber owners in the protection and management of their timberlands.

In the Forest and Range Experiment Stations and the Forest Products Laboratory, the U.S. Forest Service conducts research in the entire field of forestry.

The nation is divided into 10 forest regions, Region 10 being Alaska. The Southern Region, R-8, includes Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee and Texas. There are 24 National Forests in the Southern Region. These are combined into 12 administrative units, each having a U.S. Forest Supervisor in charge. These units are broken down into Ranger Districts, with each in charge of a U.S. District Ranger.

Mr. J. Herbert Stone is Regional Forester. Address: U.S. Forest Service, Glenn Bldg., Atlanta, Ga.

Mr. H.C. Eriksson, training officer, represents the Forest Service on the Atlanta Branch Library Advisory Committee.

